

ABSTRACT OF THE DISCLOSURE

[This invention relates to a polymer mixture comprising a polymer which is transparent at a wavelength of more than 300 nm and poly(9,9-XY-fluorene), in which X and Y are independently of each other a straight or branched saturated or unsaturated C₁ – C₁₂ hydrocarbon chain and the said poly(9,9-XY-fluorene) is substantially dispersed as isolated chains with a high density of isolated chains in the said transparent polymer of not more than $1 \times 10^{19} \text{ cm}^{-3}$. In particular the mixture of polymethylmethacrylate and poly(9,9-dioctyl-fluorene), a polymer film obtained with that mixture and use of that film as an optical switch are described.